

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A transceiver for a transmission and reception signal which can be transmitted via a signal line having a particular line impedance, comprising:

- a) a line driver for driving a transmission signal via the signal line, the line driver having a synthesized output impedance;
- b) a programmable analog echo cancellation filter for signal suppression for an echo signal brought about by the transmission signal;
- c) a hybrid circuit for connecting said analog echo cancellation filter to the signal line, the hybrid circuit comprising:

a first two-pole connection connected to the output of the line driver,

a second two-pole connection for connection to the signal line,

a third two-pole connection connected to the analog echo cancellation filter,

series resistors being connected, in series with the line impedance of the signal line, between the first two-pole connection and the second two-pole connection,

a first and a second series-connected crosscoupling resistor respectively connected between the first two-pole connection and the second two-pole connection,

wherein the third two-pole connection of the hybrid circuit for connecting the echo cancellation filter is tapped off between the series-connected crosscoupling resistors, and

wherein the resistance values of the resistors connected in the hybrid circuit satisfy the following equation:

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$$R2 = R3 \cdot \frac{R_{SYN}}{R1 + R_{SYN}}$$

Where R1 is the resistance value of the series resistors, R2 is the resistance value of the first crosscoupling resistor, and R3 is the resistance value of the second crosscoupling resistor, and where R_{SYN} is the synthesized output impedance of the line driver,

- d) a reception filter for filtering a signal received via the signal line; and
- e) a subtraction circuit which subtracts from the filtered output signal of the reception filter the transmission signal simulated by the echo cancellation filter to generate a reception signal liberated of the echo signal.

2. (Cancelled)

3. (Previously Presented) The transceiver as claimed in claim 12, wherein the transfer function of the echo cancellation filter has a programmable pole point and a programmable zero point.

4. (Previously Presented) The transceiver as claimed in claim 1, wherein the line driver is of differential design.

5. (Previously Presented) The transceiver as claimed in claim 1, wherein the synthesized output impedance of the line driver is real.

6-10. (Cancelled)

11. (Previously Presented) The transceiver as claimed in claim 16, wherein the resistors connected in the hybrid circuit are real resistors.

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12. (Previously Presented) The transceiver as claimed in claim 1 6, wherein the hybrid circuit is of symmetrical design.

13-14. (Cancelled)

15. (Original) The use of the transceiver as claimed in claim 1 for a broadband communication system, particularly for an xDSL broadband communication system.